

Notice of Allowability

Applicant N .

Applicant(s)

09/929,301

SCHEPS, RICHARD

Examiner

Art Unit

Tuan N Nguyen

2828

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

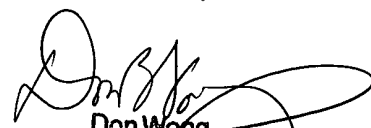
1. ☒ This communication is responsive to 03/05/2004.
2. ☒ The allowed claim(s) is/are 1,4,6-13,17-23,26,28-35,38,40-47,51-57,60 and 62-68.
3. ☒ The drawings filed on 08/14/2001; 07/28/2003 are accepted by the Examiner.
4. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 - a) ☐ All b) ☐ Some* c) ☐ None of the:
 1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).
 - * Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.
THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

5. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
 6. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
 - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
 - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
 - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
7. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

1. ☐ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3. ☐ Information Disclosure Statements (PTO-1449 or PTO/SB/08), Paper No./Mail Date _____
4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material
5. ☐ Notice of Informal Patent Application (PTO-152)
6. ☐ Interview Summary (PTO-413), Paper No./Mail Date _____
7. ☐ Examiner's Amendment/Comment
8. ☒ Examiner's Statement of Reasons for Allowance
9. ☐ Other _____


Don Wong
Supervisory Patent Examiner
Technology Center 2800

DETAIL ACTION

Response to Amendment

1. In responding to applicant's amendment filed 03/05/2004, claims 1, 4, 6, 13, 17, 21, 26, 28, 35, 38, 40, 47, 51, 55, 60, and 62 have been amended. Claims 2, 3, 5, 14-16, 24-25, 27, 36-37, 39, 48-50, 58-59, and 61 have been canceled.

REASON FOR ALLOWANCE

Allowable Subject Matter

2) The following is an examiner's statement of reasons for allowance - Applicant's response filed on 03/05/2004 has been considered, with respect to claims 1, 13, 21, 35, 47, and 55 the references of the record fail to teach or suggest:

A light generator comprising: a blue laser for generating a first beam of blue light; a first beamsplitter optically coupled to the blue laser for splitting a second beam of blue light from the first beam of blue light; a second beamsplitter optically coupled to the first beamsplitter for splitting a third beam of blue light from the first beam of blue light; a first upconversion laser optically coupled to the second beamsplitter for generating a beam of green light from the third beam of blue light; and a second upconversion laser optically coupled to the second beamsplitter for generating a beam of red light from the first beam of blue light; wherein at least one of the blue laser, the first upconversion laser, and the second upconversion laser is a solid-state laser; wherein each of the first and second upconversion lasers comprises: a laser gain element; a focusing lens optically coupled to the laser gain element for focusing blue light onto the laser gain element; an input coupler optically coupled to the focusing lens for transmitting blue light

and for reflecting red lens for transmitting light or green light; and an output coupler optically coupled to the laser gain element for totally reflecting light generated by the laser gain element back to the laser gain element; wherein the laser gain element is a Pr:YALO crystal.

3) Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

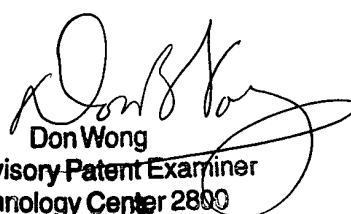
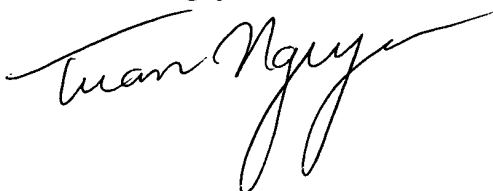
Communication Information

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Tuan N Nguyen whose telephone number is (571) 272-1948. The examiner can normally be reached on M-F: 7:30 - 4:30PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Don Wong can be reached on (571) 272-1834. The fax phone numbers for the organization where this application or proceeding is assigned are (703) 872-9318 for regular communications and (703) 872-9319 for After Final communications.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is (703) 306-3329.

Tuan N. Nguyen



Don Wong
Supervisory Patent Examiner
Technology Center 2800